Performance Data Sheet

AVB5549EXH

General Information

Model	AVB5549EXH	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	575V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-15	Btu/h	13400	11700					
	Watts	1860	1910					
	Amps	3.16	3.17					
	Lb/h	173	157					
-10	Btu/h	16500	14600	12900				
	Watts	2030	2100	2140				
	Amps	3.30	3.33	3.36				
	Lb/h	212	195	179				
-5	Btu/h	19800	17700	15800	14100			
	Watts	2190	2280	2340	2380			
	Amps	3.43	3.48	3.52	3.56			
	Lb/h	253	235	218	203			
0	Btu/h	23400	21100	19000	17000	15100		
	Watts	2330	2440	2530	2600	2640		
	Amps	3.55	3.61	3.68	3.73	3.77		
	Lb/h	297	278	260	243	227		
5	Btu/h	27300	24800	22500	20200	18100		
	Watts	2450	2600	2710	2800	2870		
	Amps	3.65	3.73	3.82	3.90	3.96		
	Lb/h	344	324	305	287	269		
10	Btu/h	31500	28800	26200	23700	21300	19000	16800
	Watts	2560	2730	2870	2990	3090	3170	3240
	Amps	3.74	3.84	3.95	4.05	4.14	4.20	4.21
	Lb/h	394	373	354	334	314	294	274
15	Btu/h	36000	33100	30200	27500	24800	22200	19700
	Watts	2650	2850	3020	3170	3290	3400	3500
	Amps	3.82	3.93	4.06	4.19	4.31	4.40	4.45
	Lb/h	447	426	405	384	363	341	319
20	Btu/h	40800	37700	34600	31600	28700	25800	22900
	Watts	2730	2950	3150	3330	3480	3620	3750
	Amps	3.88	4.01	4.16	4.32	4.47	4.59	4.68
	Lb/h	504	482	461	439	416	392	368

25	Btu/h	46100	42700	39400	36100	32800	29600	26500
	Watts	2780	3040	3270	3480	3660	3830	3990
	Amps	3.93	4.08	4.26	4.44	4.62	4.77	4.90
	Lb/h	565	543	520	497	473	448	421
30	Btu/h	51700	48100	44500	40900	37400	33800	30300
	Watts	2820	3110	3370	3610	3830	4030	4220
	Amps	3.96	4.14	4.33	4.55	4.75	4.95	5.11
	Lb/h	630	607	584	560	534	508	479
35	Btu/h	57800	53900	50000	46100	42300	38400	34600
	Watts	2840	3160	3460	3730	3980	4220	4440
	Amps	3.99	4.18	4.40	4.64	4.88	5.11	5.30
	Lb/h	699	676	653	627	601	572	542
40	Btu/h	64300	60100	55900	51800	47600	43400	39200
	Watts	2840	3200	3530	3840	4120	4390	4640
	Amps	4.00	4.21	4.46	4.73	5.00	5.26	5.49
	Lb/h	773	750	726	700	672	642	610
45	Btu/h	71200	66800	62300	57800	53300	48800	44200
	Watts	2820	3210	3580	3920	4250	4550	4840
	Amps	4.00	4.23	4.51	4.80	5.10	5.40	5.68
	Lb/h	852	829	804	777	748	717	683
50	Btu/h	78700	74000	69200	64400	59500	54600	49700
	Watts	2770	3210	3620	4000	4360	4700	5020
	Amps	3.99	4.24	4.54	4.87	5.20	5.53	5.85
	Lb/h	937	913	888	860	830	797	762
55	Btu/h	86600	81600	76500	71400	66200	61000	55600
	Watts	2710	3190	3630	4050	4450	4830	5190
	Amps	3.96	4.24	4.57	4.92	5.29	5.66	6.01
	Lb/h	1030	1000	977	948	918	884	847

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.605111E+04	3.625218E+01	4.957832E+00	5.042049E+02
C2	9.407665E+02	-1.605836E+01	1.940654E-02	8.278545E+00
C3	-3.327143E+02	4.819664E+01	-5.572158E-02	-3.453388E+00
C4	7.124866E+00	-5.265784E-01	-3.614738E-04	4.649209E-02
C5	-1.047043E+00	5.493065E-01	-2.484727E-04	3.299680E-02
C6	6.109351E-01	-2.908025E-01	6.666921E-04	1.336700E-02
C7	3.051931E-02	-6.673862E-04	3.587659E-07	3.456603E-04
C8	-1.833762E-02	2.607117E-03	1.015183E-06	1.346206E-04
C9	-1.733040E-02	-2.267757E-04	3.485506E-06	-2.894606E-04
C10	1.210190E-04	5.849824E-04	-2.375755E-06	-3.218538E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature